

PHOTOGRAPHIC INTERPRETATION REPORT



KH-7 MISSION 4038
5-12 JUNE 1967

PART I

[Redacted]
JUNE 1967
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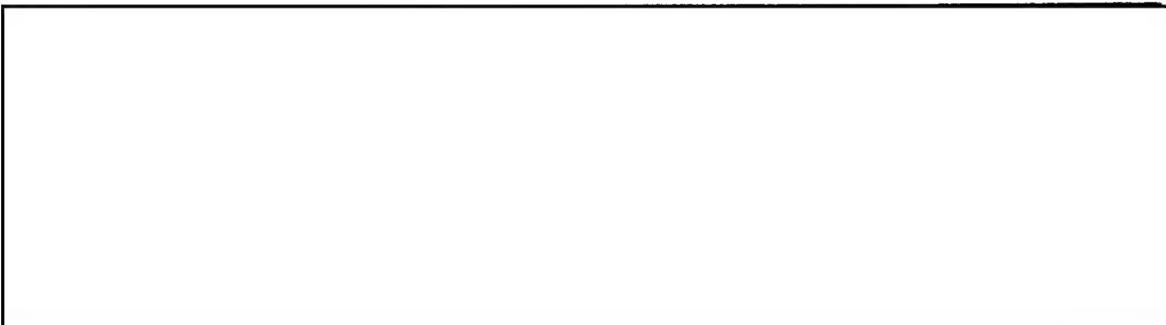
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GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

25X



TARGET CATEGORIES

1. GUIDED MISSILES *
 - A. ICBM Deployment
 - B. IRBM and MRBM (including search areas)
 - C. Research and Development (including space)
 - D. Production Facilities (including test)
 - E. Suspect Missile (Search area or undetermined activity)
 - F.
 - G. Naval Launched Missiles
 - H. Anti-Missile Missile
 - I. SAM Sites
 - J. Short Range Surface-to-surface Missiles
 - K. Missile support/storage areas
 - L. SAM Training Complexes
2. AIRCRAFT
 - A. Long Range Bases
 - B. Production Facilities (including R and D)
 - C. Airfields
3. NUCLEAR ENERGY
 - A. Test Area
 - B. Production
 - C. Stockpiles
 - D. Research Institutes
 - E. Suspect Activity
4. NAVAL ACTIVITY
 - A. Operating Bases
 - B. Production Yards
 - C. Commercial Ports
 - D. Locks and Canals
5. BIOLOGICAL/CHEMICAL WARFARE
 - A. BW/CW Test Areas (including test)
 - B. Production
 - C. Storage
 - D. Research Institutes
 - E. Suspect Activity
6. ELECTRONICS
 - A. Missile Tracking Facilities
 - B. Electronics (general)
7. MILITARY
 - A. Military Installations
 - B. Special Areas
 - C.
 - D. Landing Beaches
 - E.
 - F.
 - G. Tactical SSM Support Facilities
8. URBAN/INDUSTRIAL
 - A. Complexes
 - B. Industrial Plants
 - C. Geodetic Control Points
9. OTHER
 - A. Unidentified Installations

* Digits in these numbers indicate specific target complexes. A suffix identifies individual components within the complex.

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PREFACE

THIS IS THE FIRST OF TWO OAK REPORTS ON MISSION 4038
COVERING THE HIGHEST PRIORITY TARGETS NOT REPORTED IN THE
FORTHCOMING MIDDLE EAST AND NORTH VIETNAM EDITION

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TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS, SUFFIXED WITH A FOR ASCENDING AND D FOR DESCENDING, ARE LISTED FIRST, FOLLOWED BY FRAMES WHICH ARE INDICATED BY THE FRAME NUMBER WITH AN INDEX NUMBER RUNNING CONSECUTIVELY FROM THE BEGINNING OF EACH PASS -- 4/8 FOR EXAMPLE, MEANS FRAME 4, INDEX 8. UNIVERSAL REFERENCE GRID COORDINATES FOR NEW TARGETS ARE GIVEN IN PARENTHESIS AFTER THE INDEX NUMBER TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), S (SNOW), O (OBLIQUITY), SD (SEMDARKNESS), D (DARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), GR (GROUND RESOLUTION), AND SS (SMALL SCALE).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF PHOTOGRAPHIC COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), PS (PARTIAL STEREO), OR NS (NON-STEREO).

THE INITIAL SCAN OF THE PHOTOGRAPHY IS ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, DETAILED ANALYSIS MAY RESULT IN ADDITIONAL INFORMATION. MOREOVER, RECIPIENTS ARE CAUTIONED THAT THE IDENTIFICATION OF TARGETS IS BASED PRIMARILY ON PHOTOGRAPHY AND DOES NOT CONSTITUTE A FINISHED INTELLIGENCE JUDGMENT.

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Highlights

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HIGHLIGHTS

1. PORTIONS OF 7 OF THE 24 DEPLOYED ICBM COMPLEXES ARE VISIBLE. DROVYANAYA, KOZELSK, AND NOVOSIBIRSK ARE IMAGED ON CLEAR PHOTOGRAPHY AND PERM, TATISHCHEVO, YEDROVO, AND VERKHNYAYA SALDA ARE OBSERVED THROUGH SCATTERED-TO-HEAVY CLOUDS. AT THE DROVYANAYA COMPLEX SUPPORT FACILITY, THE LEVEL OF ACTIVITY REMAINS LOW. AT TATISHCHEVO, CONSTRUCTION OF LAUNCH GROUP H HAS FALLEN BEHIND THAT AT LAUNCH GROUP K. THE SITES IN THE H GROUP REMAIN IN THE MID-STAGE OF CONSTRUCTION WITH ONLY THE HEADWORKS PRESENT, WHEREAS THE SITES IN THE K GROUP WHICH STARTED 3 TO 4 MONTHS LATER ARE NOW APPROACHING A LATE STAGE OF CONSTRUCTION.
2. ONLY COMPLEX H ON THE SSM SIDE OF THE KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER IS VISIBLE THROUGH HEAVY CLOUDS. THREE UNIDENTIFIED OBJECTS, ONE ON EACH PAD AND THE OTHER ALONG THE SOUTH FENCE, ARE OBSERVED IN THE SAME POSITIONS AS THEY WERE
3. ONLY 2 OF THE ABM LAUNCH COMPLEXES AT MOSKVA, USSR, ARE COVERED, LAUNCH COMPLEXES E24 AND E31. THE PRESENCE OF 8 ERECTORS/LAUNCHERS AT TRIAD 1, E24, CAN NOW BE CONFIRMED.
4. FOURTEEN OF THE PROBABLE LONG RANGE SAM LAUNCH COMPLEXES EXCLUDING THE 2 AT THE SARY-SHAGAN ANTIMISSILE TEST CENTER WERE PROGRAMMED FOR COVERAGE. SIX OF THE COMPLEXES INCLUDING PLESETSK, KALININ, BABAYEVO, KHABAROVSK, KAPUSTIN YAR, AND LENINGRAD NE ARE CLOUD COVERED. OF THE REMAINING COMPLEXES, KIYEV, SVERDLOVSK, AND PERESLAVL-ZALESSKIY ARE OBSERVED THROUGH SCATTERED-TO-HEAVY CLOUD COVER. THE COMPLEXES AT CHEREPOVETS, NIZHNIY TAGIL, KIMRY, TOMSK, AND NIZHNAYA TURA ARE OBSERVED ON AT LEAST ONE CLOUD-FREE PASS. AN AIR WARNING RADAR SITE HAS BEEN IDENTIFIED NEAR THE KIYEV PROBABLE LONG RANGE SAM COMPLEX.
5. THE THIRTY-SECOND PROBABLE LONG RANGE SAM LAUNCH COMPLEX HAS BEEN IDENTIFIED AT 48-46N 026-02E, APPROXIMATELY 2.5 NM SOUTH OF BORSHCHEV, USSR, AND ADJACENT TO THE CHERNOVTSY SAM SUPPORT FACILITY. THE COMPLEX IS IN THE VERY EARLY STAGES OF CONSTRUCTION AND CONSISTS OF ONLY ONE LAUNCH SITE AND ADDITIONAL EARTH SCARRING, POSSIBLY FOR A SECOND LAUNCH SITE. REVIEW OF EARLIER COVERAGES REVEALS THAT THE COMPLEX WAS NOT PRESENT

25X1D

6. LAUNCH COMPLEX A, SARY-SHAGAN, PROGRAMMED FOR COVERAGE ON 7 CONSECUTIVE DAYS (6 THROUGH 12 JUNE) IS COVERED ON THE

25X1D

OBSCURE THE AREA [REDACTED] CLOUDS COMPLETELY. PHOTOGRAPHY IS GENERALLY CLEAR AND

25X1D

X1

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25X
25X

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OF FAIR-TO-GOOD INTERPRETABILITY. LAUNCH COMPLEX B IS
COVERED BY THE SAME PASSES WHICH COVERED LAUNCH COMPLEX A,
WITH INTERPRETABILITY ALSO BEING SIMILAR.

25X2

STATUS OF TARGET READOUT

THIS OAK REPORTS ON 42 COMOR TARGETS AND 1 BONUS TARGET.

10

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25X
25X

Missiles

X1

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25X

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25X1A

MISSILES

VERKHNYAYA SALDA ICBM COMPLEX

UR 5802N 06024E



THIS TARGET WAS PROGRAMMED FOR COVERAGE ON 7 PASSES. SCATTERED-TO-HEAVY CLOUD COVER OVER THE SEARCH AREA LIMITS INTERPRETATION ON ALL 7 PASSES.

TWO OF THE 10 LAUNCH SITE ARE INTERPRETABLE. AT LAUNCH SITE 5, 4 MISSILES ARE LOCATED ON THE ROAD IN FRONT OF THE LEFT READY BUILDING. SITE 8 SHOWS NO SIGNIFICANT ACTIVITY. NO NEW MISSILE FACILITIES ARE OBSERVED IN INTERPRETABLE PORTIONS OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY.

25X1D

25X1A

DROVYANAYA ICBM COMPLEX

UR 5131N 11300E



TWENTY-FOUR TYPE IID LAUNCH SITES, 2 TYPE IID LAUNCH SITES, 1 TYPE IIB LAUNCH SITE, 3 TYPE IIIA LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT ARE INTERPRETABLE. AT LAUNCH SITE 1, A MISSILE IS IN FRONT OF THE RIGHT READY BUILDING AND AT LAUNCH SITE 4, AN APPARENT EXERCISE IS UNDERWAY WITH 4 MISSILES IN THE LAUNCH AREA. NO OTHER SIGNIFICANT ACTIVITY IS OBSERVED. NO NEW MISSILE ACTIVITY OBSERVED WITHIN PORTIONS OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY.

CONSTRUCTION STATUS AND DETAILED DATA FOR INTERPRETABLE TYPE IID LAUNCH SITES ARE AS FOLLOWS --

LAUNCH GROUP G -- ALL 10 SITES (7-14, 16, AND 18) ARE COMPLETE AND INTERPRETABLE.

LAUNCH GROUP H -- ALL 10 SITE (15, 19-26, AND 28) ARE

25X
25X

X1

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25X
25X

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COMPLETE AND INTERPRETABLE.

LAUNCH GROUP K -- LAUNCH SITES 51, 52, AND 55 ARE IN LATE STAGES OF CONSTRUCTION.

TRANSFER POINT SITE -- SITE 41X IS IN A LATE STAGE OF CONSTRUCTION.

25X1D

12

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25X
25X

X1

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25X
25X

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25X1D

25X1A

ITATKA ICBM COMPLEX

UR 5650N 08535E

NO MISSILE ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY. THE COMPLEX IS NOT COVERED.

25X1D



OMSK ICBM COMPLEX

UR 5504N 07331E

NO NEW MISSILE FACILITIES OBSERVED IN PORTIONS OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY. THE COMPLEX IS NOT COVERED.

25X1D



X1

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25X

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25X1A

YEDROVO ICBM COMPLEX

UR 5751N 03340E

25X9

SEVEN OF THE 39 TYPE IIID LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, THE RAIL-TO-ROAD TRANSFER POINT

25X1D

NO NEW MISSILE FACILITIES ARE IDENTIFIED. AT THE TRANSFER POINT, THE NUMBER OF SILO DOOR FORMS BEING CONSTRUCTED HAS INCREASED FROM THE 5 REPORTED ON

TO AT LEAST 7. AT THE COMPLEX SUPPORT FACILITY, THE QUANTITIES OF PREFABRICATED CONCRETE CONSTRUCTION COMPONENTS ARE CONSISTENT WITH THE NUMBER OF SITES UNDER CONSTRUCTION AT THIS COMPLEX. NO OTHER SIGNIFICANT ACTIVITY IS OBSERVED.

CONSTRUCTION STATUS AND DETAILED DATA FOR INTERPRETABLE TYPE IIID LAUNCH SITES ARE AS FOLLOWS --:

LAUNCH GROUP I -- SITE 11 IS COMPLETE. SITES 12 AND 13 ARE IN LATE STAGES OF CONSTRUCTION.

LAUNCH GROUP K -- SITES 48 AND 52 ARE IN THE MID-STAGE OF CONSTRUCTION.

LAUNCH GROUP L -- CONSTRUCTION STATUS OF SITE 47 IS UNDETERMINED.

TRANSFER POINT SITE -- POSSIBLE 55X IS IN AN UNDETERMINED STAGE OF CONSTRUCTION.

25X1D

X1

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25X
25X

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25X1D

25X1A

NOVOSIBIRSK ICBM COMPLEX

UR 5515N 08259E

ALL COMPONENTS OF THE COMPLEX ARE COVERED ON PHOTOGRAPHY. NO NEW MISSILE FACILITIES ARE OBSERVED IN CLOUD-FREE PORTIONS OF THE SEARCH AREA COVERED. THREE FUEL AND 3 OXIDIZER TRAILERS ARE PARKED ON THE APRON AT LAUNCH SITE 1. A MISSILE IS ERECTED ON THE RIGHT LAUNCH PAD AT LAUNCH SITE 2. A MISSILE TRANSPORTER IS ON THE LEFT PAD AT LAUNCH SITE 5. NO OTHER SIGNIFICANT ACTIVITY IS OBSERVED.

25X1D

25X1A

TATISHCHEVO ICBM COMPLEX

UR 5140N 04534E

ELEVEN TYPE IID LAUNCH SITES ARE INTERPRETABLE. THREE LAUNCH SITES IN THE H GROUP (SITES 127, 128, AND 129) ARE SIGNIFICANTLY LAGGING IN CONSTRUCTION PROGRESS AS OPPOSED TO THE CONSTRUCTION OF THE ADJACENT K GROUP LAUNCH SITES ON WHICH CONSTRUCTION STARTED 3 TO 4.

25X

15

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25X

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MONTHS LATER. LAUNCH SITES IN THE K GROUP ARE APPROACHING A LATE STAGE OF CONSTRUCTION WITH GRADED ACCESSES AND CONCRETE APRONS ALMOST COMPLETE. THE 3 H GROUP LAUNCH SITES OBSERVED HAVE ONLY THE SILO HEADWORKS AND A MINIMUM AMOUNT OF CONSTRUCTION IN PROGRESS. NO NEW MISSILE ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF THE SEARCH AREA.

CONSTRUCTION STATUS AND DETAILED DATA FOR LAUNCH SITES ARE AS FOLLOWS --

LAUNCH GROUP H -- 3 LAUNCH SITES (127, 128, AND 129) ARE INTERPRETABLE AND REMAIN IN THE MID-STAGE OF CONSTRUCTION.

LAUNCH GROUP K -- 8 LAUNCH SITES (124, 125, 132, 133, AND 138-141) ARE INTERPRETABLE AND REMAIN IN THE MID-STAGE OF CONSTRUCTION.

25X1D

25X1A

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR UR 4835N 04545E

NO NEW MISSILE FACILITIES OBSERVED IN VISIBLE PORTIONS OF THE SEARCH AREA NORTH OF LAUNCH COMPLEX H. THE

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25X1A

REMAINDER OF PHOTOGRAPHIC COVERAGE OF THE SSM LAUNCH FACILITIES RANGES FROM HEAVY-TO-TOTAL CLOUD COVER.

25X1D

KAPUSTIN YAR LAUNCH COMPLEX H

UR 4848N 04620E

25X1D

UNIDENTIFIED EQUIPMENT REMAINS IN THE SAME POSITION ON BOTH PADS [REDACTED] ANOTHER PIECE OF UNIDENTIFIED EQUIPMENT REMAINS NEAR THE SW FENCE LINE. TWO VEHICLES ARE OBSERVED AT THE ENTRANCE TO THE SUPPORT AREA. PRESENCE OF THE PROBABLE MISSILE DOLLIES SEEN IN THE SUPPORT AREA [REDACTED] CANNOT BE DETERMINED.

25X1D

MAKAT FIELD LAUNCH POINT MRBM

UR 4758N 05342E

THE ENTIRE AREA IS COVERED ON CLEAR PHOTOGRAPHY, INCLUDING THE LAUNCH POINT, THE AIRFIELD, AND THE SUPPORT AND INSTRUMENTATION FACILITIES. AN OBJECT/PIECE OF EQUIPMENT IS VISIBLE AT THE TRANSFER POINT NEXT TO A RAIL CAR AT THE END OF THE SPUR.

AN AREA CONTAINING A DRIVE-IN BUNKER, 2 BUILDINGS, AND A STRUCTURE/PIECE OF EQUIPMENT IS VISIBLE APPROXIMATELY 9 NM WEST OF THE LAUNCH POINT.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

SARY-SHAGAN MRBM IMPACT AREA 3

UR 4627N 07244E

THIS TARGET WAS PROGRAMMED FOR COVERAGE ON 7 PASSES. SIX ARE INTERPRETABLE.

THE EASTERN 50 PERCENT OF THE SEARCH AREA IS COVERED ON STEREO PHOTOGRAPHY. AT LEAST 25 MISSILE IMPACT CRATERS AND 15 POSSIBLE MISSILE IMPACT CRATERS ARE IDENTIFIED.

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25X1D

25X1A

SARY-SHAGAN MRBM IMPACT AREA 5 UR 4608N 07240E

THIS TARGET WAS PROGRAMMED FOR COVERAGE ON 7 PASSES.
SIX ARE INTERPRETABLE.

THE SOUTHWESTERN 10-20 PERCENT OF THE SEARCH AREA IS COVERED ON NON-STEREO PHOTOGRAPHY. ONE SUSPECT MISSILE IMPACT CRATER IS LOCATED AT 46-07-40N 072-34-20E.

25X1D

SARY-SHAGAN AMM IMPACT AREA 2 UR 4753N 06845E

NO EVIDENCE OF MISSILE IMPACT CRATERS OBSERVED.

25X1D

SARY-SHAGAN AMM IMPACT AREA 4 IIR 4730N 07615E

NO EVIDENCE OF MISSILE IMPACT CRATERS OBSERVED.

25X1D

MOSKVA MSL & SPA PRPLN DEV CTR KHMK 456 UR 5554N 03726E

IN THE TEST AREA, ONLY ONE LARGE HOLD-DOWN OR COOLANT RING IS VISIBLE ON THE DIFFUSER FOR TEST STAND NO. 1. AT LEAST 2 ARE VISIBLE ON THE DIFFUSER FOR TEST STAND NO. 2. NARROW DIFFUSER THROATS ARE NOT APPARENT, BUT RELATIVELY POOR INTERPRETABILITY IN THE AREA WHERE THE DIFFUSER JOINS THE TEST STAND PRECLUDES IDENTIFICATION OF DIFFUSER THROATS. DARK SHADOWS OR POSSIBLE STAINS ARE LOCATED WHERE THE 2 DIFFUSERS JOIN THE SCRUBBER.

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25X1D

NO SMOKE/VAPOR IS APPARENT AT THE EXHAUST STACK. CONSTRUCTION ACTIVITY NEAR THESE TEST STANDS IS NEARING COMPLETION. TEST STAND NO 2 APPEARS ESSENTIALLY THE SAME AS WHEN LAST SEEN [REDACTED] A BUILDING IS IN THE FINAL STAGES OF CONSTRUCTION IN THE NORTHERN PART OF THE TEST AREA AND WILL APPARENTLY BE CONNECTED TO A LARGE OVERHEAD PIPELINE THAT EMANATES FROM A POSSIBLE PUMPHOUSE. SEVERAL PROBABLE CYLINDRICAL TANKS ARE SCATTERED THROUGHOUT THE AREA. NO TEST ACTIVITY IS VISIBLE AT TEST STANDS 3 AND 4.

25X1D

IN THE PLANT AREA, THE BUILDING REPORTED UNDER CONSTRUCTION [REDACTED] IS NEARING COMPLETION AND A SMALLER BUILDING IS UNDER CONSTRUCTION NEARBY. NO MISSILES, MISSILE COMPONENTS, OR LONG RAIL CARS IDENTIFIED.

25X1D

(SEE ATTACHMENT)

25X1A

MOSKVA MSL & SPACE DEV CTR KALININGRAD 88 UR 5555N 03748E

ONLY THE WESTERN PORTION OF THE CENTER IS COVERED ON PHOTOGRAPHY.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

OMSK ROCKET ENGINE TEST FAC GORNAYA BITIYA UR 5525N 07316E

A DIFFUSER HAS BEEN BUILT ON THE NO 2 TEST STAND. A CIRCULAR CONFIGURATION OF VERTICAL STEEL STANDARDS ESTIMATED TO BE APPROXIMATELY 90 FT IN DIAMETER HAS BEEN ERECTED ON A CONCRETE PAD EAST OF THE WATER TOWER. ONE (POSSIBLY 2) SMALL BUILDING AND A MEDIUM-SIZED STRUCTURE ADJACENT TO THE CIRCULAR CONFIGURATION HAVE APPARENTLY BEEN COMPLETED. A SIMILAR BUT LARGER CIRCULAR STRUCTURE IS UNDER CONSTRUCTION NEAR THE ZAGORSK ROCKET ENGINE TEST FACILITY Krasnozavodsk. PREVIOUSLY REPORTED CONSTRUCTION ACTIVITY AT STAND NO 1 IS APPARENTLY COMPLETE. NO NEW EVIDENCE OF TEST ACTIVITY OR MISSILES OBSERVED.

X1

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(SEE ATTACHMENT)

25X1D

25X1A

PERM ROCKET MOTOR TEST FACILITY UR 5758N 05549E

THIS TARGET WAS PROGRAMMED FOR COVERAGE ON 6 PASSES.
ONE IS CLOUD COVERED.

NO SIGNS OF RECENT TEST ACTIVITY ARE OBSERVED AT EITHER
THE ISOLATED TEST POSITION OR THE LARGE HORIZONTAL TEST
CELL. SEVERAL LONG RAIL CARS ARE OBSERVED ON THE RAIL
SPUR NORTH OF THE LARGE HORIZONTAL CELL.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

25X1A

HU-HO-HAO-TE PROB SOL PROPL RKT MTR CPLX CH 4044N 11158E

THIS TARGET WAS PROGRAMMED FOR COVERAGE ON 5 PASSES.
ONE IS CLOUD COVERED.

GRADING AND FINAL-PHASE CONSTRUCTION CONTINUE. NO
SIGNIFICANT CHANGES OBSERVED IN SECURITY AND DEFENSES.

25X1D

ZALARI SUSPECT ICBM COMPLEX

UR 5326N 10237E

THIS TARGET WAS PROGRAMMED FOR COVERAGE ON 5 PASSES.
TWO ARE CLOUD COVERED.

THE RAILHEAD CONTAINS 21 STORAGE BUILDINGS OF VARIOUS
SIZES AND A BATCH PLANT. A SMALL MOTOR POOL CONTAINS 8
BUILDINGS. THE 2 HOUSING AREAS CONTAIN 15 BARRACKS AND
17 FAMILY-TYPE DWELLINGS. THE ONLY ACTIVITY OBSERVED
IS THE CONSTRUCTION OF 4 LARGE PERMANENT APARTMENT

25X

25X

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BUILDINGS AND 1 LARGE UNIDENTIFIED BUILDING. IDENTIFIABLE CONSTRUCTION MATERIALS VISIBLE AT KNOWN ICBM RAILHEAD AND STORAGE AREAS ARE NOT VISIBLE AT THIS SUSPECT FACILITY. NO MISSILES OR MISSILE-RELATED ACTIVITY OBSERVED IN PORTIONS OF THE SEARCH AREA COVERED ON PHOTOGRAPHY.

25X1D

25X1A

GUBA SAYDA NAVAL MISSILE STORAGE UR 6915N 03321E

25X1D

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

GUBA SAYDA SUBMARINE BASE UR 6915N 03320E

25X1D

OB -- 3 UNIDENTIFIED SS AT PIERS.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

GUBA SAYDA NAVAL BASE TOROS UR 6918N 03325E

OB -- 5 UNIDENTIFIED SMALL VESSELS.

25X1D

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X9

X1

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25X
25X

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25X1A

GUBA LITSA SUBMARINE BASES NORTH & SOUTH UR 6926N 03224E

25X1D

THIS TARGET WAS PROGRAMMED FOR COVERAGE ON 10 PASSES.
ALL EXCEPT [REDACTED] ARE CLOUD COVERED.

OB -- SOUTH BASE -- 4 E-II-SSGN, 3 N-SSN, 1 BOLVA-APL,
1 SURA-ARSD, 1 UNIDENTIFIED AUXILIARY, 1 FLOATING
CRANE, AND SEVERAL SMALL CRAFT.
NORTH BASE -- 2 PROBABLE J-SSG, 1 UGRA-AS, 1 BOLVA-APL,
2 PROBABLE ASL, 1 YR, AND SEVERAL SMALL CRAFT.
ONE E-II-SSGN, 1 PROBABLE J-SSG, AND 1 UNIDENTIFIED SS
ARE ALONGSIDE A BOLVA-APL MOORED IN THE BAY.

25X9

[REDACTED]
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

GUBA LITSA NAVAL MISSILE STORAGE UR 6923N 03226E

25X1D

THIS TARGET WAS PROGRAMMED FOR COVERAGE ON 10 PASSES.
ALL EXCEPT [REDACTED] ARE CLOUD COVERED.

OB -- NUMEROUS VEHICLES, PIECES OF EQUIPMENT, AND
CRATES.

FOUR NEW BUILDINGS ARE UNDER CONSTRUCTION IN THE
HOUSING AREA.

25X1D

GUBA ANDREEVA NUCLEAR SUB SUPPORT FACILITY UR 6926N 03221E

25X1D

THIS TARGET WAS PROGRAMMED FOR COVERAGE ON 10 PASSES.
ALL EXCEPT [REDACTED] ARE CLOUD COVERED.

OB -- 2 PM-124 YRSN AND 1 UNIDENTIFIED AUXILIARY.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

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25X1A

SVERDLOVSK PROB LONG RANGE SAM LCH CPLX UR 5704N 06101E

THIS IS THE FIRST LARGE SCALE COVERAGE OF THE COMPLEX

25X1D

ONLY 2 SIGNIFICANT CHANGES HAVE OCCURRED IN THE LAUNCH AREA [REDACTED] FIRST, POSSIBLE LAUNCHERS ARE AT LAUNCH POSITIONS A2, 3, 5, AND 6 AND 2 PROBABLE DOLLIES ARE AT A5. SECONDLY, A CANOPY REPORTED OVER THE LAUNCH POINT AT A6 HAS BEEN REMOVED. THE 2 ADJOINING SHELTERS OVER THE MISSILE DOLLY LOCATION REMAIN.

25X1D

RAILS ARE PRESENT AT ALL OF THE LAUNCH POSITIONS AND WERE PROBABLY PRESENT [REDACTED] ALTHOUGH SNOW COVER HINDERED IDENTIFICATION.

THE TRACKING/GUIDANCE FACILITY IS CLOUD COVERED.

25X1D

TWO FOUNDATIONS FOR DRIVE-THROUGH BUILDINGS, PRESENT [REDACTED] ARE THE ONLY CONSTRUCTION EVIDENT AT THE MISSILE-HANDLING FACILITY. NO CHANGE IS OBSERVED IN THE SUPPORT AREA.

25X1D

APPROXIMATELY 6-8 BUILDINGS IN THE SUPPORT AREA OUTSIDE THE SECURITY FENCE HAVE BEEN REMOVED [REDACTED]

25X1D

[REDACTED] APPROXIMATELY HALF OF THE BUILDINGS HAVE BEEN REMOVED [REDACTED]

25X1D

THE AIR WARNING RADAR FACILITY 2.5 NM SSE OF THE COMPLEX (NOT 3.5 NM AS PREVIOUSLY REPORTED) IS APPROXIMATELY HALF COMPLETE. THE FACILITY CONSISTS OF 2 LARGE AND 2 SMALL RADAR MOUNDS. THE RADAR MOUNDS ARE NOT OCCUPIED, BUT APPROXIMATELY 12 VEHICLES/PIECES OF EQUIPMENT ARE PRESENT. NO MISSILES ARE DISCERNIBLE.

25X1D

25X1A

PERESLAVL-ZALESSKIY PROB LR SAM LCH CPLX UR 5645N 03838E

25X1D

THE FOLLOWING CHANGES ARE OBSERVED SINCE THE LAST LARGE SCALE PHOTOGRAPH [REDACTED] -PROBABLE CABLE SCARS FROM LAUNCH SITES A AND C JOIN AT A POINT APPROXIMATELY HALFWAY BETWEEN THE LAUNCH AREA AND THE TRACKING/GUIDANCE FACILITY. FROM THIS INTERSECTION, THE SCARS EXTEND TO THE 2 OCCUPIED RADAR MOUNDS IN THE TRACKING/GUIDANCE FACILITY. CONSTRUCTION ON THE THIRD RADAR MOUND HAS BEGUN. THE ASSOCIATED VANS FROM ONE OF

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THE OCCUPIED MOUNDS HAVE BEEN REMOVED FROM THE AREA. CABLE SCARS ALSO CONNECT THE CENTRAL CONTROL REVETMENTS WITH ALL 6 LAUNCH POSITIONS AT LAUNCH SITES A AND C, AND WITH POSITIONS 3, 4, 5, AND 6 AT SITE B. SHELTERS HAVE BEEN CONSTRUCTED OVER THE MISSILE DOLLIES AT LAUNCH POSITIONS A-1 AND C-3. APPROXIMATELY 8 VEHICLES/PIECES OF EQUIPMENT ARE PARKED IN A CLEARING BETWEEN THE TRACKING/GUIDANCE FACILITY AND LAUNCH SITE B. A PORTION OF THE SUPPORT AREA IS UNDER CLOUD COVER. HOWEVER, AT LEAST 1 LARGE GABLE-ROOFED BUILDING HAS BEEN CONSTRUCTED AND FOUNDATIONS FOR ANOTHER HAVE BEEN STARTED. ADDITIONAL CLEARING IS OBSERVED NORTH OF LAUNCH SITE B NEAR THE MISSILE-HANDLING FACILITY. MOST OF THE VEHICLES/PIECES OF EQUIPMENT PREVIOUSLY REPORTED ADJACENT TO SITE A ARE STILL LOCATED IN THE SAME AREA. NO MISSILES ARE DISCERNIBLE.

25X1A

25X1D

KAPUSTIN YAR PROB LONG RANGE SAM LCH CPLX UR 4832N 04602E

25X1D

THIS IS THE FIRST LARGE SCALE COVERAGE

25X1D

NO APPARENT CHANGE IS OBSERVED SINCE

25X1D

PREVIOUS COVERAGE ONLY
LAUNCH POSITIONS 1, 2, AND 3 AND PART OF THE
TRACKING/GUIDANCE FACILITY ARE OBSERVED THROUGH HEAVY
CLOUD COVER.

NO RAILS ARE OBSERVED AT THE LAUNCH POSITIONS.

THE TRACKING/GUIDANCE FACILITY APPEARS UNCHANGED.

NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

25X1D

BORSHCHEV PROB LONG RANGE SAM LAUNCH CPLX UR 4846N 02602E BONUS 1

2.5 NM SOUTH OF BORSHCHEV.

THE COMPLEX IS IN VERY EARLY STAGES OF CONSTRUCTION AND
CONSISTS OF ONLY ONE LAUNCH SITE AND ADDITIONAL EARTH
SCARRING, POSSIBLY FOR A SECOND LAUNCH SITE.
ORIENTATION OF THE COMPLEX WILL PROBABLY BE IN A
SOUTHEASTERLY DIRECTION. THE COMPLEX WAS NOT PRESENT

25X1D

(SEE ATTACHMENT)

25X1

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**Air
Facilities**

X1

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25X
25X

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25X1A

AIR FACILITIES

KUN-MING/WU-CHIA-PA AIRFIELD

CH 2459N 10244E



OB -- 22 FAGOT/FRESCO, 1 CRATE, 11 COLT, 2 SMALL
STRAIGHT-WING, AND 3 HOUND.

NO NEW CONSTRUCTION OR CHANGES IN FACILITIES OBSERVED.

25X1D



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25X
25X



**Nuclear
Energy**

25X2

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Attachments

X1

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25X

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ATTACHMENT 1



MOSKVA MISSILE AND SPACE PROPULSION DEVELOPMENT CENTER KHMKI 456, USSR

25X

25X1A

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25X

25X

X1

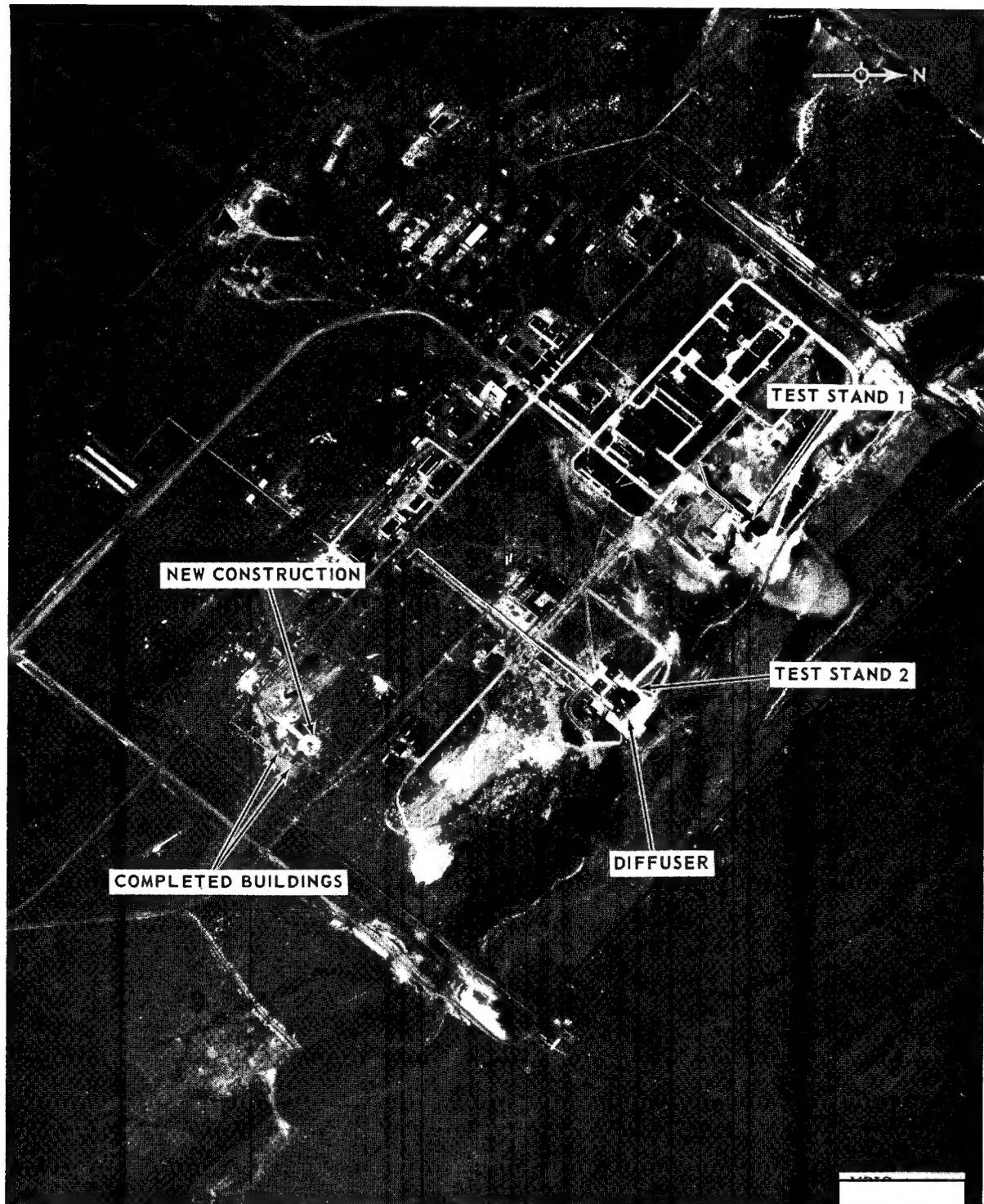
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25X

ATTACHMENT 2



OMSK ROCKET ENGINE TEST FACILITY GORNAYA BITIYA, USSR

25X

25X1A

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25X

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25X1



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25X1
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TOP SECRET
25X1
ATTACHMENT 3

TOP SECRET

25X1

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25X6

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